

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------|------------------|---------|------------------|
| S1 | 3 | "6022748".URPN. | USPAT | OR | ON | 2004/07/26 12:07 |
| S2 | 1 | "6158245".PN. | US-PGPUB; USPAT | OR | ON | 2004/07/26 13:22 |
| S3 | 20 | density near1 TEOS | US-PGPUB; USPAT | OR | ON | 2004/07/26 09:37 |
| S4 | 1 | "g/mole" near2 TEOS | US-PGPUB; USPAT | OR | ON | 2004/07/26 09:38 |
| S5 | 4964 | tetraethylorthosilicate | US-PGPUB; USPAT | OR | ON | 2004/07/26 09:39 |
| S6 | 0 | tetraethylorthosilicate with ("g/mole" or "grams/mole" or "gms/mole") | US-PGPUB; USPAT | OR | ON | 2004/07/26 09:40 |
| S7 | 1 | TEOS with ("g/mole" or "grams/mole" or "gms/mole") | US-PGPUB; USPAT | OR | ON | 2004/07/26 09:44 |
| S8 | 53 | TEOS with chemical with formula | US-PGPUB; USPAT | OR | ON | 2004/07/26 10:08 |
| S9 | 0 | (Tetraethyl with Ortho with Silicate) with ("g/mole" or "grams/mole" or "gms/mole") | US-PGPUB; USPAT | OR | ON | 2004/07/26 09:44 |
| S10 | 12 | TEOS with (atomic with (mass or weight)) | US-PGPUB; USPAT | OR | ON | 2004/07/26 10:08 |
| S11 | 1 | "6582658".PN. | USPAT | OR | ON | 2004/07/26 10:43 |
| S12 | 80 | TEOS near2 density | USPAT | OR | ON | 2004/07/26 10:45 |
| S13 | 1 | TEOS near2 "g/cm.sup.3" | USPAT | OR | ON | 2004/07/26 10:49 |
| S14 | 140 | scc, with flow with rate | USPAT | OR | ON | 2004/07/26 10:46 |
| S15 | 9 | TEOS with "g/cm.sup.3" | USPAT | OR | ON | 2004/07/26 10:57 |
| S16 | 53 | TEOS with volume with ratio | USPAT | OR | ON | 2004/07/26 10:58 |
| S17 | 1 | "6582658".PN. | USPAT | OR | ON | 2004/07/26 12:05 |
| S18 | 1 | "6022748".PN. | USPAT | OR | ON | 2004/07/26 12:11 |
| S19 | 0 | sol with gel with fiber with "mu." | USPAT | OR | ON | 2004/07/26 12:12 |
| S20 | 0 | sol with gel with fiber with ".mu." | USPAT | OR | ON | 2004/07/26 12:12 |
| S21 | 3 | sol with gel with fiber with "micrometer" | USPAT | OR | ON | 2004/07/26 12:17 |
| S22 | 0 | "6158245".URPN. | USPAT | OR | ON | 2004/07/26 12:15 |
| S23 | 261 | optic\$6 with fiber with (length near1 mm) | USPAT | OR | ON | 2004/07/26 12:19 |
| S24 | 1 | "5904983".PN. | US-PGPUB; USPAT | OR | ON | 2004/07/26 13:33 |
| S25 | 226 | 65/17.2.ccls. | US-PGPUB; USPAT | OR | ON | 2004/07/26 13:34 |
| S26 | 734 | 436/527.ccls. | US-PGPUB; USPAT | OR | ON | 2004/07/26 13:34 |

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| S27 | 2122 | 422/58.ccls. | US-PGPUB; USPAT | OR | ON | 2004/07/26 13:36 |
| S28 | 769 | 423/335.ccls. | US-PGPUB; USPAT | OR | ON | 2004/07/26 13:36 |
| S29 | 4 | "5250095".PN. or "5249251".PN. or "6022748".PN. or "5904983". pn. | US-PGPUB; USPAT | OR | ON | 2005/02/18 15:53 |
| S30 | 1 | ("5250095".PN. or "5249251".PN. or "6022748".PN. or "5904983". pn.) and mold\$6 and cast\$6 | US-PGPUB; USPAT | OR | ON | 2004/07/24 16:43 |
| S31 | 3 | ("5250095".urPN. or "5249251". urPN. or "6022748".urPN. or "5904983".urpn.) and mold\$6 and cast\$6 | US-PGPUB; USPAT | OR | ON | 2004/07/24 17:05 |
| S32 | 0 | "6582658".URPN. | USPAT | OR | ON | 2004/07/26 12:05 |
| S33 | 0 | hydrochromic\$6 near2 reagent | US-PGPUB; USPAT | OR | ON | 2004/07/24 17:06 |
| S34 | 1 | hydrochromic\$6 with reagent | US-PGPUB; USPAT | OR | ON | 2004/07/24 17:38 |
| S35 | 1 | "20030133639" | US-PGPUB; USPAT | OR | ON | 2005/03/07 12:54 |
| S36 | 306 | orthosilicate with polymer | US-PGPUB; USPAT | OR | ON | 2004/07/24 17:46 |
| S37 | 8 | orthosilicate near1 polymer | US-PGPUB; USPAT | OR | ON | 2004/07/24 18:03 |
| S38 | 17 | orthosilicate with (acrylate or polyacrylamide) | US-PGPUB; USPAT | OR | ON | 2004/07/24 18:04 |
| S39 | 1 | "6158245".pn. | US-PGPUB; USPAT | OR | ON | 2005/02/03 20:26 |
| S40 | 0 | ("6158245").URPN. | USPAT | OR | OFF | 2005/02/03 20:52 |
| S41 | 0 | ("6158245").URPN. | USPAT | OR | OFF | 2005/02/03 21:15 |
| S42 | 1 | "5250095".pn. | USPAT | OR | OFF | 2005/03/07 11:58 |
| S43 | 6 | ("5250095").URPN. | USPAT | OR | OFF | 2005/02/03 21:15 |
| S44 | 0 | ("6375725").URPN. | USPAT | OR | OFF | 2005/02/03 22:33 |
| S45 | 94 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (optic\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2005/02/18 15:53 |
| S46 | 2 | S45 and CoCl\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:21 |
| S47 | 6 | S45 and CuCl\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 15:54 |
| S48 | 6 | S46 or S47 | US-PGPUB; USPAT | OR | ON | 2005/02/18 15:54 |

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| S49 | 2 | S46 and S47 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:05 |
| S50 | 87 | inorganic\$6 with precurs\$6 with sens\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:09 |
| S51 | 31 | (sol\$6 with \$6gel) with precurs\$6 with sens\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:35 |
| S52 | 11 | (sol\$6) with precurs\$6 with CoCl\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:21 |
| S53 | 11 | (sol\$6) with precurs\$6 with CuCl\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:36 |
| S54 | 0 | S52 and S53 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:22 |
| S55 | 22 | S52 or S53 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:28 |
| S56 | 5 | S55 and sens\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:24 |
| S57 | 17 | S55 not S56 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:29 |
| S58 | 1 | "5250095".pn. | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:35 |
| S59 | 0 | "5250095".pn. and precurs\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:36 |
| S60 | 0 | S58 and CuCl\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:36 |
| S61 | 1 | S58 and CoCl\$6 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:41 |
| S62 | 1 | S58 and Cu\$4 | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:22 |
| S63 | 0 | S58 and copper\$4 | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:48 |
| S64 | 409 | ("CoCl.sub.2" with "CuCl.sub.2") | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:49 |
| S65 | 21 | ("CoCl.sub.2" with "CuCl.sub.2") and sensor | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:49 |
| S66 | 22 | ("CoCl.sub.2" with "CuCl.sub.2") and (sensor or sensing) | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:56 |
| S67 | 8 | "CuCl.sub.2" with ammonia and (sensor or sensing) | US-PGPUB; USPAT | OR | ON | 2005/02/18 16:57 |
| S68 | 3654 | lens with focus\$4 with photodetector | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:23 |
| S69 | 90 | lens with focus\$4 with (on\$2 adj2 photodetector) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:24 |
| S70 | 0 | lens with focus\$4 with ((on or onto) adj2 photodetector) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:24 |
| S71 | 0 | lens with focus\$4 with ((on or onto) adj2 transducer) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:25 |

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| S72 | 218 | lens with focus\$4 adj2 transducer | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:26 |
| S73 | 30 | S72 and (optic\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:32 |
| S74 | 1 | "20030133639" and (transducer same lens\$3) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:30 |
| S75 | 73 | (source adj2 lens\$4 adj2 fiber) and (optic\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:33 |
| S76 | 33 | (source adj2 lens\$4 adj2 fiber) and (optic\$6 with fiber) and (sens\$4) | US-PGPUB; USPAT | OR | ON | 2005/02/18 17:34 |
| S77 | 39 | optic\$6 with fiber with (air adj2 clad\$6) | USPAT | OR | OFF | 2005/03/07 12:03 |
| S78 | 0 | "refractive index of air" | USPAT | OR | OFF | 2005/03/07 12:04 |
| S79 | 1580 | refractive near1 index near1 air | USPAT | OR | OFF | 2005/03/07 12:04 |
| S80 | 1180 | refractive adj1 index adj1 air | USPAT | OR | OFF | 2005/03/07 12:07 |
| S81 | 176 | S80 and "385"/\$.ccls. | USPAT | OR | OFF | 2005/03/07 12:05 |
| S82 | 176 | S80 and "385"/\$.ccls. | USPAT | OR | ON | 2005/03/07 12:05 |
| S83 | 42 | refractive adj1 index adj1 air with core | USPAT | OR | OFF | 2005/03/07 12:08 |
| S84 | 23 | refractive adj1 index adj1 air with core with clad\$6 | USPAT | OR | OFF | 2005/03/07 12:10 |
| S85 | 1 | "20030133639" and dispos\$6 with clad\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:00 |
| S86 | 207 | sol adj1 gel\$6 with preform | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:01 |
| S87 | 56 | sol adj1 gel\$6 with preform same draw\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:03 |
| S88 | 0 | sol adj1 gel\$6 with preform same draw\$6 same boron | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:03 |
| S89 | 4 | sol adj1 gel\$6 with preform same boron\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:06 |
| S90 | 1 | sol adj1 gel\$6 with preform same boric\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:03 |
| S91 | 4 | S89 or S90 and (draw\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:07 |
| S92 | 0 | (S89 or S90) and (draw\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:07 |
| S93 | 1 | (S89 or S90) and (draw\$6 same fiber) | US-PGPUB; USPAT | OR | ON | 2005/03/07 14:07 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------|------------------|---------|------------------|
| S1 | 1 | "5904983".pn. | US-PGPUB; USPAT | OR | ON | 2004/07/24 16:18 |
| S2 | 1 | "5250095".PN. | USPAT | OR | ON | 2004/07/24 16:20 |
| S3 | 1 | "5249251".PN. | USPAT | OR | ON | 2004/07/24 16:20 |
| S4 | 1 | "6022748".PN. | USPAT | OR | ON | 2004/07/24 16:21 |
| S5 | 4 | S1 or S2 or S3 or S4 | USPAT | OR | ON | 2004/07/24 16:22 |
| S6 | 1 | S5 and mold\$6 and cast\$6 | USPAT | OR | ON | 2004/07/24 16:24 |
| S7 | 0 | ((hydrol\$9 with silic\$6 with esther\$6) same (sol\$6 with gel\$6)) and (optic\$6 with fiber) | USPAT | OR | ON | 2003/07/14 16:17 |
| S8 | 0 | ((hydrol\$9 with silic\$6 with esther\$6) and (sol\$6 with gel\$6)) and (optic\$6 with fiber) | USPAT | OR | ON | 2003/07/14 16:18 |
| S9 | 99 | chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber) | USPAT | OR | ON | 2003/09/12 13:05 |
| S10 | 1 | (chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and (CoCl\$6) | USPAT | OR | ON | 2003/07/14 16:19 |
| S11 | 1 | (chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and (CuCl\$6) | USPAT | OR | ON | 2003/07/14 16:20 |
| S12 | 1 | ((chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and ammonia) and ((chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and (CoCl\$6)) | USPAT | OR | ON | 2003/07/14 16:20 |
| S13 | 0 | "6579722".URPN. | USPAT | OR | ON | 2003/07/14 16:21 |
| S14 | 20 | (chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and ammonia | USPAT | OR | ON | 2003/07/14 16:31 |
| S15 | 17 | (chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and (sol with gel with core) | USPAT | OR | ON | 2003/07/14 16:32 |
| S16 | 1 | ((chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and ammonia) and ((chem\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber)) and (sol with gel with core)) | USPAT | OR | ON | 2003/10/20 15:22 |
| S17 | 1 | "5904983".URPN. | USPAT | OR | ON | 2003/07/14 16:33 |
| S18 | 2 | "6362118".URPN. | USPAT | OR | ON | 2003/07/14 16:35 |
| S19 | 11 | "5637507".URPN. | USPAT | OR | ON | 2003/07/14 21:40 |
| S20 | 9 | "5250096".URPN. | USPAT | OR | ON | 2004/07/14 21:51 |

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| S21 | 14 | hydrolyz\$6 same (sol\$6 with gel\$6) same (optic\$6 with fiber) | USPAT | OR | ON | 2003/09/12 13:06 |
| S22 | 105 | hydrolyz\$6 and (sol\$6 with gel\$6) same (optic\$6 with fiber) | USPAT | OR | ON | 2003/09/12 13:07 |
| S23 | 15 | (hydrolyz\$6 and (sol\$6 with gel\$6) same (optic\$6 with fiber)) and gelatin\$7 | USPAT | OR | ON | 2003/09/12 13:54 |
| S24 | 0 | (alkoxide near1 precursor) same (silicate with ester) | USPAT | OR | ON | 2003/09/12 14:02 |
| S25 | 0 | (alkoxide near1 precursor) same (silicate with ester) | USPAT | OR | ON | 2003/09/12 13:55 |
| S26 | 4 | (alkoxide near1 precursor) and (silicate with ester) | USPAT | OR | ON | 2003/09/12 13:56 |
| S27 | 8 | (alkoxide near1 precursor) same (ester) | USPAT | OR | ON | 2003/09/12 13:57 |
| S28 | 0 | ((alkoxide near1 precursor) and (silicate with ester)) and ((alkoxide near1 precursor) same (ester)) | USPAT | OR | ON | 2003/09/12 13:57 |
| S29 | 0 | (alkoxide near1 precursor) same (allyl) | USPAT | OR | ON | 2003/09/12 14:05 |
| S30 | 2321 | polycondens\$8 with copolymer\$7 | USPAT | OR | ON | 2003/09/12 14:08 |
| S31 | 467 | (hydrol\$8 with \$6silicate) and (sol with gel) | US-PGPUB; USPAT | OR | ON | 2003/10/20 15:25 |
| S32 | 57 | (hydrol\$8 with \$6silicate) and ((sol with gel) same fiber) | US-PGPUB; USPAT | OR | ON | 2003/10/20 15:26 |
| S33 | 26 | ((hydrol\$8 with \$6silicate) and ((sol with gel) same fiber)) and (optic\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2005/03/04 13:18 |
| S34 | 34 | Tetramethoxysilane with tetramethyl | US-PGPUB; USPAT | OR | ON | 2003/10/20 15:44 |
| S35 | 14 | Tetramethoxysilane with tetramethyl with orthosilicate | US-PGPUB; USPAT | OR | ON | 2003/10/20 15:49 |
| S36 | 18381 | ((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS) | US-PGPUB; USPAT | OR | ON | 2003/10/20 15:53 |
| S37 | 1066 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8 | US-PGPUB; USPAT | OR | ON | 2003/10/20 17:16 |
| S38 | 73 | ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (optic\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2003/10/20 16:44 |

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| S39 | 37 | ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (optic\$6 with fiber)) and mold | US-PGPUB; USPAT | OR | ON | 2003/10/20 16:44 |
| S40 | 0 | "6158245".URPN. | USPAT | OR | ON | 2004/07/10 21:14 |
| S41 | 124 | ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day) | US-PGPUB; USPAT | OR | ON | 2003/10/20 17:17 |
| S42 | 35 | ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and fiber | US-PGPUB; USPAT | OR | ON | 2003/10/20 17:17 |
| S43 | 13 | ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber) | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:02 |
| S44 | 7 | (((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) and (ammonia or "NH. sub.3") | US-PGPUB; USPAT | OR | ON | 2003/10/21 08:04 |
| S45 | 7 | ((((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) and (ammonia or "NH. sub.3")) and (cast\$6 or mold\$6) | US-PGPUB; USPAT | OR | ON | 2003/10/21 05:54 |
| S46 | 7 | ((((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) and (ammonia or "NH. sub.3")) and (cast\$6 or mold\$6 or mould\$6) | US-PGPUB; USPAT | OR | ON | 2003/10/21 05:55 |
| S47 | 13 | "4961767".URPN. | USPAT | OR | ON | 2003/10/21 06:24 |
| S48 | 26 | (((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN. | US-PGPUB; USPAT | OR | ON | 2003/10/21 08:12 |

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| S49 | 9 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN.) and sens\$8 | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:13 |
| S50 | 8 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN.) and sens\$8) and (hydroly\$6 same (water or "H.sub.2")) | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:14 |
| S51 | 5 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN.) and sens\$8) and (hydroly\$6 with (water or "H.sub.2")) | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:17 |
| S52 | 2 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN.) and sens\$8) and (hydroly\$6 same (water or "H.sub.2") same sens\$6) | US-PGPUB; USPAT | OR | ON | 2003/10/21 08:13 |
| S53 | 1 | "20030133639" and (sens\$6 with material) | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:28 |
| S54 | 1 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN.) and (hydrol\$6 with (reagent or enzyme or bacteria)) | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:29 |
| S55 | 1 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN.) and (hydrol\$8 with (reagent or enzyme or bacteria)) | US-PGPUB; USPAT | OR | ON | 2003/10/21 07:29 |
| S56 | 0 | "6495352".URPN. | USPAT | OR | ON | 2003/10/21 07:38 |

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|-----|----|--|-----------------|----|----|------------------|
| S57 | 6 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) and (ammonia or "NH.sub.3")) and (sens\$8 or detect\$8) | US-PGPUB; USPAT | OR | ON | 2003/10/21 08:05 |
| S58 | 26 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN. or ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) and (ammonia or "NH.sub.3")) and (cast\$6 or mold\$6 or mould\$6)) | US-PGPUB; USPAT | OR | ON | 2003/10/21 08:12 |
| S59 | 2 | (((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) or "4961767".URPN. or ((((((tetramethyl or tetraethyl or tetramethoxysilane or tetraethoxysilane) with \$6silicate) or TMOS or TEOS)) with hydrol\$8) and (gel\$8 with day)) and (optic\$6 with fiber)) and (ammonia or "NH.sub.3")) and (cast\$6 or mold\$6 or mould\$6))) and (hydroly\$6 same (water or "H.sub.2") same sens\$6) | US-PGPUB; USPAT | OR | ON | 2003/10/21 09:44 |
| S60 | 21 | "5922299".URPN. | USPAT | OR | ON | 2003/10/21 10:52 |
| S61 | 0 | "20030133639" | USPAT | OR | ON | 2004/03/16 20:13 |
| S62 | 1 | "20030133639" | US-PGPUB; USPAT | OR | ON | 2004/03/16 22:47 |
| S63 | 6 | (silic\$6 near1 ester) with (TEOS or TMOS) | US-PGPUB; USPAT | OR | ON | 2004/03/16 21:38 |
| S64 | 0 | "6158245".URPN. | US-PGPUB; USPAT | OR | ON | 2004/03/16 22:26 |
| S65 | 21 | (sol near1 gel) with (dry\$6 near1 air\$6) | US-PGPUB; USPAT | OR | ON | 2004/03/16 22:55 |
| S66 | 1 | "6158245".PN. | US-PGPUB; USPAT | OR | ON | 2004/03/16 22:26 |
| S67 | 1 | "20030133639" and (method with determin\$6) | US-PGPUB; USPAT | OR | ON | 2004/03/16 22:47 |

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|-----|-----|--|-----------------|----|----|------------------|
| S68 | 114 | ((sol near1 gel) with sensor) and (method near2 sens\$6) | US-PGPUB; USPAT | OR | ON | 2004/03/16 22:57 |
| S69 | 0 | "6158245".URPN. | USPAT | OR | ON | 2004/07/10 21:14 |
| S70 | 1 | "5250095".PN. | USPAT | OR | ON | 2004/07/24 16:20 |
| S71 | 1 | "5249251".PN. | USPAT | OR | ON | 2004/07/24 16:20 |
| S72 | 1 | "6022748".PN. | USPAT | OR | ON | 2004/07/24 16:21 |
| S73 | 5 | "5250095".URPN. | USPAT | OR | ON | 2004/07/14 22:11 |
| S74 | 1 | tetrahedral\$6 with tetraethyl\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/04 13:18 |